

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Manja Ahola et al.

Serial Number: Unassigned

Group Art Unit: Unassigned

Filed: April 21, 2004

Examiner: Unassigned

For: DISSOLVABLE OXIDES FOR BIOLOGICAL APPLICATIONS

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 21, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449.

The listed documents were made of record in parent application S.N. 10/178,718. Copies of these documents are not being submitted pursuant to 37 CFR § 1.78.

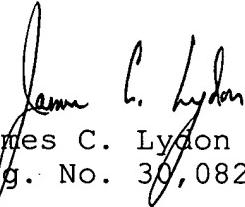
No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the last of (1) issuance of a first official action on the merits and (2) expiration of the three month period following filing of the above-captioned application. Nevertheless, the

New U.S. Patent Appln.
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Commissioner is authorized to charge our Deposit Account No. 50-1258 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,


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Attachment:
Form PTO-1449

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. TUR-140-A	SERIAL NO. Unassigned
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				APPLICANT Manja AHOLA et al.	
				FILING DATE April 21, 2004	GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	4,353,890	10/1982	Scott	424	49	
	AB	5,912,257	1/1999	Prasad et al.	514	356	
	AC	5,605,700	2/1997	DeGregorio et al.	424	448	
	AD	3,538,230	11/1970	Pader et al.	424	50	
	AE	5,709,873	1/1998	Bar-Shalom et al.	424	422	
	AF	5,886,049	3/1999	Itoh et al.	514	648	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
							YES	NO	PART.
	AG	EP 336 014	10/1989	EP					
	AH	EP 680 753	11/1995	EP					
	AI	WO 96/03117	2/1996	W.I.P.O.					
	AJ	WO 92/20623	11/1992	W.I.P.O.					
	AK								
	AL								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Unger et al., "The Use of Porous and Surface Modified Silicas as Drug Delivery and Stabilizing Agents," Drug. Development and Industrial Pharmacy 9 (1 & 2), 69-91 (1983)
AN	Sato et al., "Control of Pore Size Distribution of Silica Gel Through Sol-Gel Process Using Water Soluble Polymers as Additives," Journal of Materials Science 25, 4880-4885 (1990)
AO	Avnir et al., "Enzymes and Other Proteins Entrapped in Sol-Gel Materials," Chem. Mater. 6, 1605-1614 (1994)

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	BA	4,180,566	12/1979	Winyall et al.	424	127	
	BB	4,279,879	7/1981	Winyall et al.	423	335	
	BC	5,292,515	3/1994	Moro et al.	424	422	
	BD	5,510,109	4/1996	Tomioka et al.	424	421	
	BE	4,798,786	1/1989	Tice et al.	435	177	
	BF	6,387,386	5/2002	Levy	424	408	
	BG	5,505,966	4/1996	Edman et al.	424	493	
	BH	3,907,954	9/1975	Mansmann et al.	264	63	
	BI	4,767,433	8/1988	Iura et al.	65	21.1	
	BJ	5,278,284	1/1994	Lusk et al.	530	305	
	BK	5,409,683	4/1995	Tillotson et al.	423	338	
	BL	5,612,049	3/1997	Li et al.	424	422	

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO PART.
	BM						
	BN						
	BO						
	BP						
	BQ						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BR	Ahola et al., "The Evaluation of Biocompatibility and Degradation of Non-Sintered Silica Xerogel Carrier Materials in Vivo," Transactions of the Society for Biomaterials, 23 rd Annual Meeting of the Society for Biomaterials, Vol. XX, New Orleans, USA, p. 364, April 30-May 4 (1997)
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	CA	5,911,658	6/1999	Yoldas	516	101	
	CB	6,156,223	12/2000	Sigel et al.	252	62	
	CC	6,353,038 B1	3/2002	Aho et al.	523	105	
	CD	6,395,299 B1	5/2002	Babich et al.	424	184	
	CE	3,846,537	11/1974	Marotta	423	338	
	CF						

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							YES NO PART.
	CG						
	CH						
	CI						
	CJ						
	CK						
	CL						

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CM	
CN	
CO	

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